First & Final Bill

BR-478/28 2/15

SBRNO: 315/PA-15/28 2/15

M. A. R. 57 (Rule 116)
Measurement Book

No. B 251001

Serial No. .....

Name of Work Construction of Toilet Blocks at Burial Ground OPP Reliance Fresh and Demolition of old School Building at Ramachandrapura in From ..... To .....

Name of Contractor of nature of Agency ..... Ward No - 10.

Date of commencement of work ..... Sri. K. Shankar Reddy

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work Code No: 010-15-000045						
	Work order no: EE/BTP/BBMP/E-PMT/07(13890)/WO/239/14-15. Date 07-01-2015.						
	Address of Agency: # 3, 1st Cross, 1st Main Ramachandra Pura Layout Veerannapalya, Bangalore-560045.						

Executive Engineer
Pura Division
Zone, B.B.M.P
ore-560092

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Measurement Recorded on 7-01-2015.						
1)	Earth work in Surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings Culverts, road, drains and trenches of.						
		L	11.00	5.00	0.30	= 16.50 Cum	
		@ Rs 144.16				Rs 2379.00	
2)	Earth work excavation for foundation of building water supply lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil						
	Toilet Block						
	Columns	L	42.90	1.00	0.90	= 38.61 Cum	
		10	1.50	1.50	1.20	= 27.00 Cum	

M. A. R
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Serial No. .....
Name of Work ..... From...
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Deduction for Columns	10
		Qty
		@ R
3)	Providing and laying in pos	
	OPC Cement @ 180kgs with gom	
	coarse aggregates	
	Center line	L
	Columns	10

OOK

Depth 6	Contents 7	Reference to last Measurement 8
s.		
dinary Soil for levelling and		
ion foundation of buildings		
0.30 = 16.50 Cum		
RS 2379.00		
uilding water supply lines		
or in trenches 1:5m and above		
0.90 = 38.61 Cum		
1.20 = 27.00 Cum		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251002

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Deduction for columns	10	1.20	0.75	0.75 =	-6.75 Cum	
					Total =	58.86 Cum	
		Qty limited to			Tender =	57.85 Cum	
		@ RS 259.20				RS 14995.00	
3)	Providding and laying in position Plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs with 40mm and down size graded granite metal coarse aggregates						
	Centerline	1	42.90	0.90	0.15 =	5.79 Cum	
	Columns	10	1.50	1.50	0.15 =	3.38 Cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Deductions for columns	10	1.20	0.75	0.15	= 1.35 Cum	
					Total =	7.82 Cum	
					Qty limited to Tender =	7.67 Cum	
		@ Rs 4757.28				Rs 36488.00	
	ccte Shivaleela AEE 7/1 ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ						
4)	Providing and constructing granite/trap/basalt Size stone masonary in foundation with cement mortar 1:6 Stone hammered dressed in courses not less than 20cms high.						
		1	42.90	0.75	0.45	= 14.48 Cum	
		1	42.90	0.60	0.45	= 11.58 Cum	
	Deduction for columns	10	1.20	0.75	0.90	= -8.10 Cum	
					Total =	17.96 Cum	
					Qty limited to Tender =	17.28 Cum	

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
5)	providing and constructi... basement with cemen... courses not less than 1...	
	Deduction for columns	
	ccte Shivaleela AEE ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ	

Contents 7	Reference to last Measurement 8
= 1.35 Cum	
7.82 Cum	
7.67 Cum	
	RS 3648.00
ize stone masonary in	
nered dressed in courses	
14.48 Cum	
16.58 Cum	
-8.10 Cum	
17.96 Cum	
17.28 Cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 251003

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		@ RS 3610.36				RS 62387.00	
5)	Providing and construction granite/ toap/ basalt Size Stone masonary in basement with cement mortar 1:6 edges of Stone chisele dressed in courses not less than 15cms high.	L	42.90	0.45	0.45	= 8.69 Cum	
	Deduction for columns	10	0.45	0.23	0.45	= -0.47 Cum	
					Total	= 8.22 Cum	
	cete Survey CEE	qty limited to tender @ RS 4458.36				= 7.99 Cum	RS 35622.00

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	6) Filling available excavated earth (excluding rock) in sides of foundation upto plinth in layers not exceeding 20cms in depth. compacting each deposited layer by ramming after						
	qty vide Item no-02					= 57.85 Cum	
	@ Rs 116.60						Rs 6745.00
	7) Providing raled pointing to coursed stone masonry with cement mortar 1:3 20mm deep, after raking joints of 20mm dep						
	1	42.90			0.45	= 19.31 Sqm	
	qty limited to tender					= 18.80 Sqm	
	@ Rs 91.16						Rs 1714.00

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ.
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Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	8) providing and construct modular bricks of ste with cement morter 1:
	Long wall
	Short wall
	inside wall
	Parapet wall
	Deduction for openings

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	DL	6	0.75	0.23	2.10 =	2.17 Cum	
	D	2	0.90	0.23	2.10 =	0.87 Cum	
	V	12	0.60	0.23	0.45 =	0.75 Cum	
	Lintel	1	42.90	0.23	0.15 =	1.048 Cum	
					Total =	26.70 Cum	
		Qty	limited to Tender =			27.51 Cum	
		@	RS 6346.22			RS 174585.00	
9)	providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs with 20mm and down size graded metal coarse aggregates @ 0.878 Cum and fine aggregates						
	Column footings	10	1.20	1.20	0.80 =	11.52 Cum	
	plinth to Roof	10	0.45	0.23	3.60 =	3.73 Cum	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Plinth
	Lintel
	Roof Slab
10)	providing and laying in with OPC cement @ 2 metal coarse aggre

OOK

h	Depth 6	Contents 7	Reference to last Measurement 8
		2.10 = 2.17 cum	
		2.10 = 0.87 cum	
		0.45 = 0.75 cum	
		0.15 = 1.048 cum	
		Total = 26.70 cum	
		Tender = 27.51 cum	
		RS 174585.00	
l		Cement concrete of design mix	
2		20mm and down Size graded	
d		fine aggregates	
		0.80 = 11.52 cum	
		3.60 = 3.73 cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251005

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Plinth	L	42.90	0.45	0.15 =	2.90 cum	
	Lintel	L	42.90	0.23	0.15 =	1.048 cum	
	Roof Slab	L	8.84	5.48	0.15 =	7.27 cum	
					Total =	26.89 cum	
		Qty limited to tender =				25.99 cum	
		@ RS 5952.96				RS 154717.00	
	ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ ಕಛೇರಿ.						
10)	Providing and laying in position reinforced cement concrete of mix M20 with OPC Cement @ 24kgs, with 12mm and down Size graded granite metal coarse aggregates @ 0.575						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
18)	providing ceramic tiles of size 15x15cms 6mm thick approved make Shade and Size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix						
	Toilet 1	2	1.20	1.20	= 2.88 Sqm		
		1	1.50	2.10	= 3.15 Sqm		
		1	4.06	1.70	= 6.90 Sqm		
		3	1.20	2.10	= 7.56 Sqm		
	Toilet 2	1	4.06	1.70	= 6.90 Sqm		
					Total = 27.39 Sqm		
					Qty limited to Tender = 27.30 Sqm		
					@ Rs 888.28	Rs 24250.00	

C & R

सहायक कार्यपालक अभियंतरग.
विद्यारण्यपुर उप विभाग.
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ಬೃ. ಬೆಂ. ಮ ಸಾ . ಬೆಂಗಳೂರು-97

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
19)	providing skirting, dado 6mm thick on 10mm thi Cement slurry over rou Side walls
	Deductions

C & R

सहायक कार्यपालक अभियंत
विद्यारण्यपुर उप विभाग.
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BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
ns 6mm thick approved make steps and landings laid on 1:3 mortar			
.20		= 2.88 Sqm	
.10		= 3.15 Sqm	
.70		= 6.90 Sqm	
.10		= 7.56 Sqm	
.70		= 6.90 Sqm	
	Total =	27.39 Sqm	
e Tender	=	27.30 Sqm	
28			Rs 24250.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 251009

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
19)	providing skirting, dado risers of steps with 6mm thick on 10mm thick cement plaster 1:3 and cement slurry over rough plaster.						Colour glazed tiles 15x15 cms jointed with white
	Side walls	4x6	1.20	2.10		= 60.48 Sqm	
		2	4.06	2.10		= 17.05 Sqm	
	Deductions	6	0.75	2.10		= 9.45 Sqm	
					Total =	68.08 Sqm	
	c & r		@ Rs 998.52				Rs 67981.00
	Survey						

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
60)	Digging or trenching of to the required ground Surface	0.6m deep x 0.5mm wide level and consolidating etc. for cutting Road			refilling the trench		
		1	45.00			= 45.00 Mtr	
		@	Rs 40.00				Rs 1800.00
61)	Supplying and fixing class A (medium duty) CI pipe of wall thickness not less than 3.25mm on pole/wall/ceiling with necessary clamping arrangements for UG cable of 1.1 KV class complete dia CI pipe						
		1	10.00			= 10.00 Mtr	
		@	Rs 240.00				Rs 2400.00

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ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ.

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	
62)	Supplying and fixing 4.7 Cable filled with necessary terminals, clamps, bolts	
		1
63)	Supplying fixing, wiring, and other equipments CI Pipe 2.5m long buried	
		1

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sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
·5m wide		refilling the trench	
Solid cutting etc		for cutting Road	
		= 45.00 Mtr	
		RS 1800.00	
duty)		CI Pipe of wall thickness	
dream crossing with		necessary	
of 1.1 KV Class		90mm dia CI Pipe	
		= 10.00 Mtr	
		RS 2400.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251021

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
62)	Supplying and fixing 4.7 Cast Iron pot head Suitable for 1.1 KV class XLPE cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts nuts and washers etc	1 No @ RS 286.00				RS 286.00	
63)	Supplying fixing, wiring, earth electrode for grounding conduits, cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI Pipe 2.5m long buried in pit	1 No @ RS 3000.00				RS 3000.00	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು

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ಯ ಉಪ ವಿಭಾಗ.

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
64)	1HP Submercible centrifugal force pump of approved make with all necessary fittings including wiring switch board, starter etc and Electronic Automatic E equipment	1	LRq @			RS 18000.00	
65)	Third Party inspection charges @ 1%					RS 14691.00	
66)	Bescom deposit charges					RS 6500.00	
						Total = 1490272.00	
						1469092	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯುಚ್ಛಕ್ತಿಯ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೆಂಗಳೂರು-97.

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Nu
	certificate;	
	certified that the ab	
	issued from depa	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions					Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ಬಿಲ್ಲು ಪೊಬಲಗು ರೂ 1469070=00 ಗಳ್ಳ ಪಾಸ್ಸು ಮಾಡಿದೆ : ಇವರಲ್ಲಿ ರೂ 184433=00 ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಪೊಬಲಗು ರೂ 1284617=00 ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ ಲೆಕ್ಕಾಧಿಕಾರಿ ಬ್ಯಾಡರಾಯನಪುರ ವಿಭಾಗ ಬೃ. ಬೆ. ಮ. ಪಾ		IT- 14691- ಗಾರ್ 58764- ಕಿರ್ 8814- Lere 14691- ESP 1469- Roy- 6713- TBW 184433=00 26/2			

First & Final Bill
SBA NO-313/14-15
28-2-15

Serial No. .....
Name of Work Improvements to Ro
Layout in ward no-
Name of Contractor of nature of Agency ... Sri
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	Work code NO; 010-15	
	Agreement NO; 278 D	
	Work order NO; EE/BB	
	Address of Agency; Sri	